

WHAT IS CLAIMED IS:

1           1. A high temperature resistant seal structure, provided in a  
2 casing into which a high temperature fluid is supplied, comprising a  
3 shaft through hole portion into which a shaft to be driven in an axial  
4 direction of said shaft is inserted passing through said shaft through  
5 hole portion, wherein a liner, made of graphite, comprising a cavity  
6 formed therein and slidable holes provided at both end portions of said  
7 cavity is provided being inserted into said shaft through hole portion so  
8 that said shaft slidably passes through said slidable holes with a seal  
9 state being maintained between said shaft and said liner and a relief hole  
10 is provided being bored in a lateral direction relative to the axial direction  
11 of said shaft so that said cavity and the outside of said casing  
12 communicate with each other.

1           2. A valve comprising the high temperature resistant seal  
2 structure as claimed in Claim 1, wherein said shaft is a drive rod of a  
3 valve plug of said valve and an actuator driving said drive rod in the axial  
4 direction of said shaft is connected to an end, projecting outside of said  
5 valve, of said drive rod.

1           3. An aerospace craft side thruster comprising the valve as  
2 Claim 2 as a thruster valve.